

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 12/20/00

Date Received: 12/14/00

Project: Metro Self Monitor, PO# M65003

Date Extracted: 12/15/00

Date Analyzed: 12/18/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M65003 012047-01	1.3	1.2	1.9	0.23
Method Blank	<0.05	<0.05	<0.05	<0.05

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/00

Date Received: 12/14/00

Project: Metro Self Monitor, PO# M65003

### QUALITY ASSURANCE RESULTS FOR TOTAL METALS IN WATER BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 012026-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	1.3	1.3	0	0-20
Copper	mg/L (ppm)	1.2	1.1	9	0-20
Nickel	mg/L (ppm)	1.5	1.6	6	0-20
Zinc	mg/L (ppm)	0.05	0.06	18	0-20

Laboratory Code: 012026-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	1.3	94	98	80-120	4
Copper	mg/L (ppm)	5	1.2	91	106	80-120	15
Nickel	mg/L (ppm)	10	1.5	95	97	80-120	2
Zinc	mg/L (ppm)	5	0.05	109	101	80-120	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	97	101	80-120	4
Copper	mg/L (ppm)	5	100	105	80-120	5
Nickel	mg/L (ppm)	10	98	101	80-120	3
Zinc	mg/L (ppm)	5	102	106	80-120	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

December 20, 2000

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

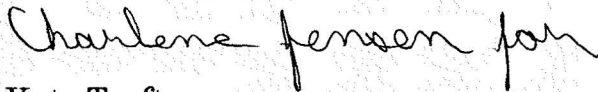
Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 14, 2000 from your Metro Self Monitor, PO# M65003 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton  
Project Manager

Enclosures  
ACU1220R.DOC



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

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FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

December 20, 2000

**DUPLICATE COPY**

**INVOICE #00ACU1220-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M65003 - Results of testing requested by  
Gerry Thompson for material submitted on December 14, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel  
and Zinc by Method 6010 @ \$80 per sample **\$ 80.00**

Amount Due ..... **\$ 80.00**

FEDERAL TAX ID (b) (6)

012047

## SAMPLE CHAIN OF CUSTODY

KT 12-14-00  
A12

Page # of

Send Report To GERARD A. Thompson  
 Company Alaska Copper Works  
 Address 628 S. Henderson  
 City, State, ZIP Seattle WA 98134  
 Phone # 206-382-8379 Fax # 206-382-4309

SAMPLERS (signature) <u>[Signature]</u>	
PROJECT NAME/NO. <u>metro Self monitor</u>	PO # <u>M65003</u>
REMARKS	

## TURNAROUND TIME

- ☐ Standard (2 Weeks)  
☐ RUSH

Rush charges authorized by:

## SAMPLE DISPOSAL

- ☐ Dispose after 30 days  
☐ Return samples  
☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CH	CU	NI	ZN	
M65003	01	12/14/00	12:30	H2O	1							✓	✓	✓	✓	

Friedman & Bruya, Inc.  
 3012 16th Avenue West  
 Seattle, WA 98119-2029  
 Ph. (206) 285-8282  
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>GERARD A. Thompson</u>	<u>ACW</u>	<u>12/14/00</u>	<u>1:50pm</u>
Received by: <u>[Signature]</u>	<u>Kate Trafton</u>	<u>FBI</u>	<u>12-17-00</u>	<u>1350</u>
Relinquished by:				
Received by:				